

FIGURE 1A  
bas1 nucleotide sequence (SEQ ID NO: 1)

ATGGAGGAAGAAAGTAGCAGCTGGTTCATTCCAAAGGTTCTGTCTGTAACTTAAAGTCTTGTAAATAGTGAAGG  
TATGTCCTCTGTTATGGTGGAGACCAAGAAGATTGAAGAACATTTCTCTAAACAGGAATTCGAGGTCCTCTTATCAAT  
TCTTCATCGGAATGTTAAAGAACTTGTGGAAATGATGCTTAAAGCTTCTTCACTCTCATGCTTCTCTCAACAATAT  
CTCCCTAGAGTTCTCTTTTACCATCACTGGAGAAATCTACGGTCTTACATTTCTGGTTTGGTTCGGTCCAACTTT  
CGGTTAACGGTAGCCGATCTGATTTGATCAGAGAGATCTTCTCTAAGTCTGAGTTCTACGGAAGAATGAAGCTCACC  
CTTTGGTTAAACAACCTGAAGCGATGGACTACTTAGTCTCAAAGTGAATAAGGCTCATCATCGAATAATCATTAGC  
CCTACTTTTCATATGGAGAACTTAAATGTTGCTTGTACCAAGTTGTGTTGAAGTGTGACTGATATGAGGATATAATAGTA  
CGATAAGTTTATCAGAAACCGGTGAAGTTGAGGTAGATGTTCTATGAGTGGTTTTCAGATTTTGACTGAGATGTTATAGTA  
GACAGCTTTTGGAGTAGCTATGAAGATGGTCAGACGATTTTTCGACTTCAAGCTCAACAAATGCTTCTTTGTGCTGAA  
GCTTTTCANAAAGTCTTCACTCTCGCTATAGATTTTTCGACACAGAGGATTTTGAAGTCTCGGAAGAATGTTAAGGAC  
GATAAGGAAGTCTGTTTGAAGCTGATAGACGGCGGAGACAAACGCTATAGATGAGAAAGGGAAGATGTTAAGAGC  
CGGCGCGAAGGATTTGTTGGGATTAATGATTCAGGCAAGAAATGTGACGGTTTCAGGCAATTTGTGAGAGGTGTTAAGC  
TTTTTCTTCGCGGGAAACAGACACTTCTAATCTGCTGAGTGGACGACCATTTGCTATCCATCGACCCCGAGTGCCA  
GGCCAAAGCAGCTGATGAGTCTCTAGGTTCTGCGCTCAGTGTGCTTCCACCAATAGTACGATTCGACGGCTAAATCGGATGTG  
CGTTGAGTATGATCTCTGAACGAGTCTTAAAGTTGTATCCCAATCATAGCGGTCCATCATGACCCAGCCATTG  
AAGCTATGACGCTGAACGAATTCATCCAGCTCGGTTTCGGATGGAGTGGCGGTGTCGCCAAACACCCCGTTGGCTTCA  
TACCGTTTGGCTTCGGAGTTCGTACATGATGGTCGATCTTCTGCTATACCTTCAGGCCAAATTTGACACTCGCTGTAAAG  
ATCCACGCTTACCTTTCACTTGGCTCTCTACTTATCAGCATGSCACTTACCGTCTTATGTTGCTTTTATCTCTCAACATGG  
TGCACCAATCACTCTTCGGAGATTTGACCAATCATGAGGATTGA

## FIGURE 1B

Bas1 amino acid sequence  
SEQ ID NO:2

bas1 amino acid sequence

MEESSWFI PKVLVLSVLIVKGM SLLWWRPRKIEEHFSKQIGRPPYHFFIGNVKELVGMMLKASSHPMPFSHNI  
LPRVLSFYHHRKIYGATFLVWFGPTFRLTVADPDLIREIFSKSEFYEKNEAHP LVKQLEGDGLLSLKGEKWAHRKII S  
PTFHMENLKLIVPVVLKSVTDWVKSDKLSENGVEVDVYVEWFQILTEDVISRTAFGSSYEDGRAVPRLQAOQMLLCAE  
AFQKVFIPGYRFFPTRGNLKSRLDKETIRKSLKLIERRONAIDGEGEECKEPAKDXLLGLMIQAKNTVQDIVEECKS  
FFFAGKOTTSLNLTWT TILLSMHPWQAKARDEVLRVCGSRDVT KDHVVKLTLSMILNESLRLYPPIVATIRRAKSDV  
KLGGYKIPCGETELLIPIIAVHHDDQALWGNDEVNEFNPAFADGVPPAAKHPVGFTFPFGLGVRTCTIGQNLAIIQAKLTAVM  
TQRTFTHLPTYQHAPTVM LMLLYPQHGAPITFRLTNHED

TTAGATCCCAAATCGTGTGNTAATCCTACATCCACAATAATGAACATGTTGATATACATGCGGG  
CCCTACGCGTGGCCCTCCCTCTCTCTCTCTATATCTCTCTTGATCTCTCTATAAAGCTAAATAGCC  
CAGACGCAATATATCAAAGAAGAACAAGATAGAACAACAAATCGCAAGAACAATAAAGAAATAA  
AAACGATATTAATAAAGNAAATAAATCTCTCTTTTAAACACTCATTCCTCTTTCTCCGGCACTCAAAGAGACCA  
AAGAGAAATCTTAGCTCTCTCTTTTGTGTTTTCTCTTTTCTTTGTGTGTCGAATGAGGAAGAATAGCA  
GCTGGTTCAATCCAAAGGTTCTGTTCTGTCTGTATATCTTAAGTCCTGTAAATAGTGAAGGTTATGCTCTGCTAATGTG  
AGAACCCAGGAAGATGAAAGCAATTCCTAAACAAGGAATTCGAGGTCCTCTATCATCTTTCTCATCGGAAATGTTA  
GAGAACTCTGTTGAATGCTTTAAAGCT

FIGURE 2

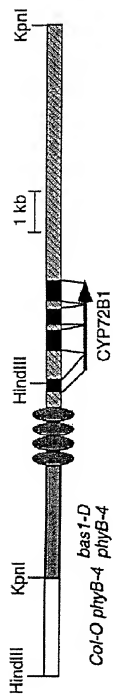


FIGURE 3

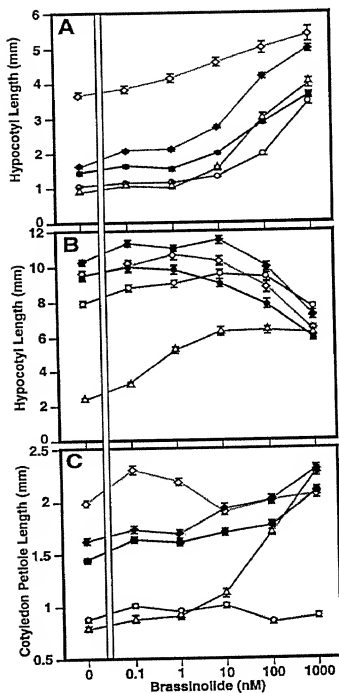


FIGURE 4

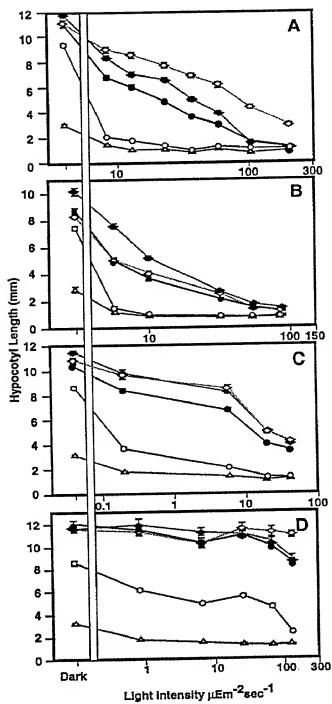


FIGURE 5

